VESDA® ≡™ VEA

VESDA-E VEA

New Approach for

Addressable Smoke Detection

VESDA®

Fully Supervised. Centralized Test and Maintenance. Simplified Installation.

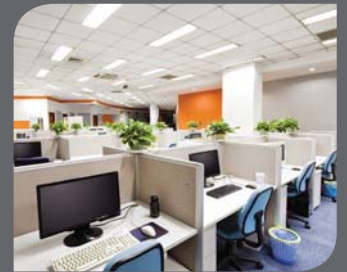## VEA | VESDA Everywhere Addressable Aspirating Smoke Detector

VESDA-E VEA introduces a new approach for addressable smoke detection. VEA provides pinpoint addressability by using a network of microbore tubes connected to sample points located in the protected area. VEA actively draws air through sample points and analyses for presence of smoke particles in a centrally located smoke sensor module. VEA provides assured detection through active sampling and end to end system integrity monitoring. VEA also provides flexible and fast installation utilizing easy to install flexible microbore tubes and push-fit connectors, which reduce installation time and cost. VEA detector supports 40 sampling points, which are expandable up to 120 using Expansion StaX, all managed from a central location. Its fully supervised microbore tubes and sampling points ensure total system availability. Centralized Test and maintenance in readily accessible location reduces service time by up to 90%

allowing servicing of up to 500 addresses a day lowering total cost of ownership. VEA remote maintenance is ideally suited in applications where interruption free business operation and restricted access are of paramount importance. With best in class connectivity including WAN and Wireless iVESDA application provides real time and remote access for efficient and effective response.

VESDA-E VEA delivers better value where…
- Spot detectors are **difficult to reach**
- **Access** to the protected area is **restricted**
- **Disruption** of occupants is **undesirable**
- Installation and maintenance **costs** are **high**
- **Electrical codes** are **stringent and conduits** are **mandatory**
- **False alarms** are extremely **costly**
- There is **high density of spot** detectors

VESDA®

1 Assured Detection

Active sampling and full supervision of microbore tubes and sampling points including automated cleaning ensure total system availability and minimum false alarms.

2 Flexible and Fast Installation

Flexible microbore tubes are easy to install with push-fit connections and passive sampling points hence no compliance requirements to electrical codes. Unique tube serial numbers and tube length markings allow pre-engineered and faster installation.

3 Reduced Maintenance and TCO

Centralized test and maintenance feature in VEA reduces service time by up to 90% and saves up to 60% in TCO. Full supervision allows centralized smoke test allowing servicing of up to 500 address a day. Field replaceable components reduces service and maintenance time and cost.

Maintain 1 VESDA-E VEA vs 120 Spot Detectors

4 Interruption Free Operation

VEA remote maintenance testing is ideally suited to applications where interruption free business operation and restricted access are of paramount importance, such as in healthcare, government buildings, businesses with highly confidential assets, prison and hotels.

5 Efficient and Effective Response

VEA provides best in class connectivity including WAN and Wireless. iVESDA application provides real time and remote access to VEA allowing advance service preparation saving time and money and avoiding multiples service visits.

VEA | Product Features

- 40 addressable sampling points expandable to 120
- Three levels of sensitivity settings
- Single tube blockage and breakage detection
- End to end sampling tube and sampling point integrity monitoring
- Centralised testing and maintenance
- Automatic sampling point cleaning
- Variable length capillary tubes, up to 100 m (328 ft)
- Laser-based absolute smoke detection
- Seven programmable relays

- 3.5" colour touch screen for status review
- Two GPIs, monitored and unmonitored
- Xtralis VSC and VSM4 PC software support
- iVESDA app for mobile devices
- IP 40 enclosure
- Field replaceable smoke sensor module, pump, valve and filter
- Networking options includes: VESDAnet networking, Ethernet and WiFi
- Local host-mode USB port
- Event Log (20,000 events)

Parameter	VESDA-E VEA
Sensitivity	0.020%/m (0.0063%/ft) - 16%/m (5.0%/ft)
Area Coverage	up to 2,000 m² (21,520 sq. ft) across 40 - 120 sampling holes
Number of Tubes	40 to 120 microbore tubes
Linear Tube Length	40 x 100 m (328 ft)
Flow Sensing	Single tube blockage and breakage detection
StaX Support	✓
Addressability	✓
VESDAnet	✓
iVESDA Support	✓
Relays	7 (expandable up to 127)
IP Rating	IP 40
Fully Field Replaceable Components	✓
WiFi, Ethernet, USB	✓

VEA | Ordering Information

VEA-040-A00	VESDA-E VEA-40 Detector with LEDs	
VEA-040-A10	VESDA-E VEA-40 Detector with 3.5" Display	
VEA-020-STX *	VESDA-E VEA-20 Expansion StaX	
VEA-040-STX *	VESDA-E VEA-40 Expansion StaX	
VER-A40-40-STX	VESDA-E VEA 40-Relay Local StaX	
VPS-VEA-120UL	VESDA-E VEA Power Supply StaX (120UL)	
VPS-VEA-220UL	VESDA-E VEA Power Supply StaX (220UL)	
VSP-980-W	VESDA-E VEA 6 mm Standard Sampling Point	
VSP-981-W	VESDA-E VEA 4 mm Standard Sampling Point	
VSP-980-B	VESDA-E VEA 6mm Black Sampling Point	
VSP-981-B	VESDA-E VEA 4 mm Black Sampling Point	
VSP-982-W	VESDA-E VEA 6 mm Surface Mount Sampling Point	
VSP-983-W	VESDA-E VEA 4 mm Surface Mount Sampling Point	
VSP-982-B	VESDA-E VEA 6 mm Surface Mount Black Sampling Point	
VSP-983-B	VESDA-E VEA 4 mm Surface Mount Black Sampling Point	
VSP-990	VESDA-E VEA 6 mm Microbore Tube UL-compliant Plenumrated, 1000 ft	
VSP-991	VESDA-E VEA 4 mm Microbore Tube UL-compliant Plenumrated, 500 ft	

About Xtralis

Xtralis® is the leading global provider of converged solutions for the early detection and remote visual verification of fire, gas and perimeter threats.

Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised. We protect high-value and irreplaceable assets belonging to the world's top governments and businesses. Our brands include the VESDA-E – the next generation of aspirating smoke detection technology; VESDA® – the world's No.1 very early warning aspirating smoke detection (ASD) systems; ICAM™ for flexible ASD; ECO™ – Gas detection & environmental monitoring modules for VESDA & ICAM systems; OSID™ – easy to use smoke detection for open areas; ADPRO® – passive infrared sensors, perimeter, multisite, video analytics and enterprise security; HeiTel™ – digital video remote monitoring; and, ASIM® – intelligent traffic detection.

To learn more, please visit us at www.xtralis.com.

For a full list of part numbers, refer to Xtralis Life Safety Product Catalog, Doc. 27787_11
(*) Check availability at local regional Xtralis office

Learn more: www.xtralis.com/vea

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